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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MONDAY, MAY 26, 2014
FROM:	JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER
SUBJECT:	EMERGENCY REPAIR - INCINERATOR REHEATER

RECOMMENDATION

That, on the recommendation of the Managing Director, Environmental and Engineering Services & City Engineer, with respect to the emergency repair of the incinerator exhaust gas re-heater at the Greenway Wastewater Treatment Plant (Project ES5084), this report **BE RECEIVED**;

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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None

BACKGROUND

Purpose:

This report is to inform the Municipal Council of an emergency repair that required funding in excess of \$50,000.

Context:

On March 13, 2014, the Greenway Biosolids Incinerator was shut down due to short circuiting in the re-heater. The re-heater is necessary to prevent condensation in the stack; short circuiting could allow ash to contaminate the previously scrubbed exhaust.

Discussion:

The needed repairs were completed as an "Emergency" under section 14.2 of the Procurement of Goods and Services Policy due to extra costs of \$9,500 per day for alternative biosolids disposal. Lor-Don Manufacturing provided a \$54,180.00 budget estimate for the repair, including removal, repair and re-installation. Repairs were initially to consist of replacing the tubes within the unit but cracks were also found in the shell which required it to be relined. Structural changes were also made to the building to allow for easier installation and removal of the unit for future repairs. Extra costs for unforeseen damage to the unit, structural engineering and structural work amounted to \$ 18,685.60.

Financial Implications:

The total cost for the repair was \$ 72,865.60 and the unit was back in service on March 28th. The financing for this project is identified in the Sources of Financing Report attached hereto as Appendix "A". The project was undertaken in accordance with Section 14.2 – Procurement in Emergencies -- of the Procurement of Goods and Services Policy.

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Conclusions:

Prompt repairs to the re-heater were required to minimize the potential discharge of ash and to minimize the extra costs associated with alternative biosolids disposal.

Acknowledgements:

This report was prepared with the assistance of Angelo Marcoccia, Mechanical Maintenance Manager, Wastewater and Treatment Operations.

PREPARED BY:	REVIEWED AND CONCURRED BY:
GEORDIE GAULD DIVISION MANAGER – WASTEWATER AND TREATMENT OPERATIONS	JOHN LUCAS, P. ENG. DIRECTOR, WATER AND WASTEWATER & TREATMENT
REVIEWED AND CONCURRED BY:	RECOMMENDED BY:
MIKE TURNER DEPUTY CITY TREASURER	JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES & CITY ENGINEER

Attachments:

Appendix A – Source of Financing Report